



Section I

200 Area Materials & Waste Management

PROJECT MANAGERS

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INTRODUCTION

The 200 Area Materials and Waste Management consists of Project Baseline Summary (PBS) RL-CP02, Work Breakdown Structure (WBS) 3.3.2, except for ERDF.

NOTE: Cost/Schedule data contained herein is as of October 31, 2001. All other information is as of October 31, 2001 unless otherwise noted.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that one milestone was completed early.

NOTABLE ACCOMPLISHMENTS

Mixed Low Level Waste (MLLW) Treatment - Shipped 66 cubic meters (m³) of MLLW debris to Allied Technology Group (ATG) for treatment in FY 2002. Received the first MLLW thermal treatment residue return shipment from ATG's GASVIT® system. This shipment represents ~11.4m³ of pre-treatment waste volume [~8.4m³ or 12,170 lbs of Granulated Activated Carbon (GAC), and ~3.0m³ or 9,025 lbs of soils]. The post-treatment waste volume residing in the six returned boxes is 11.3m³.

Transuranic (TRU) Production - Non-destructive Assay (NDA) Performance Demonstration Cycle (PDP) 8A: The Carlsbad Field Office (CBFO) has transmitted scoring results for the Waste Isolation Pilot Plant (WIPP) NDA PDP Cycle 8A. The Waste Retrieval and Packaging Facility (WRAP) passed the cycle for both GEA-A and GEA-B for both the sludge and metals waste matrices. This extends the WIPP PDP approval for WRAP NDA systems to September 2002.

CBFO NDA Corrective Action Reports (CARs) - A conference call was held with CBFO to address comments on the closure documentation associated with the CBFO PFP CARs generated during the June 2001 audit. All comments were resolved with CBFO. Based upon this communication, the TRU Program has closed the internal CARs associated with these issues. Closure of the associated CBFO CARs will occur after successful completion of the CBFO/EPA audit scheduled for December 18-19, 2001.

Support to River Corridor Project (RCP) - Supported RCP removal of waste from the 324 and 327 buildings.

Liquid Waste Processing - Processed over 3.5 million gallons of wastewater through the 200 Area Effluent Treatment Facility (ETF) thus far in FY 2002 supporting a variety of generators, including the Environmental Restoration Contractor (200-UP-1 Groundwater).

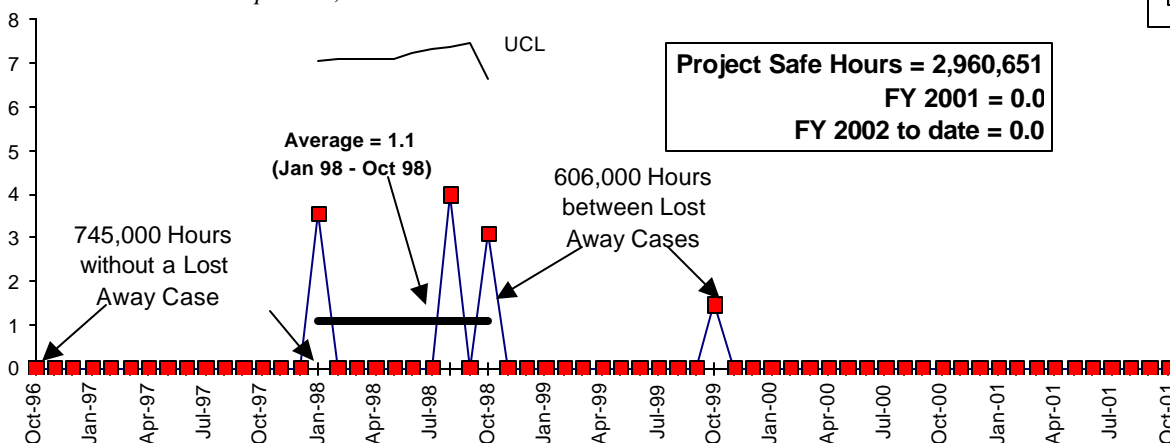
SAFETY

Waste Management is nearing 3 million hours since the last such injury was reported in October 1999. The project OSHA recordable case rate now stands at 0.96, only slightly above the Fluor goal of 0.9. Accident and injury rates which peaked during the final quarter of FY 2001 appear to have stabilized at values noted during most of 2001. The WMP VPP Steering Committee completed the first annual self assessment of the WMP Safety and Health program in preparation for submittal of the project VPP STAR application early in 2002.

Lost Away Workday Case Rate

Cases per 200,000 hours

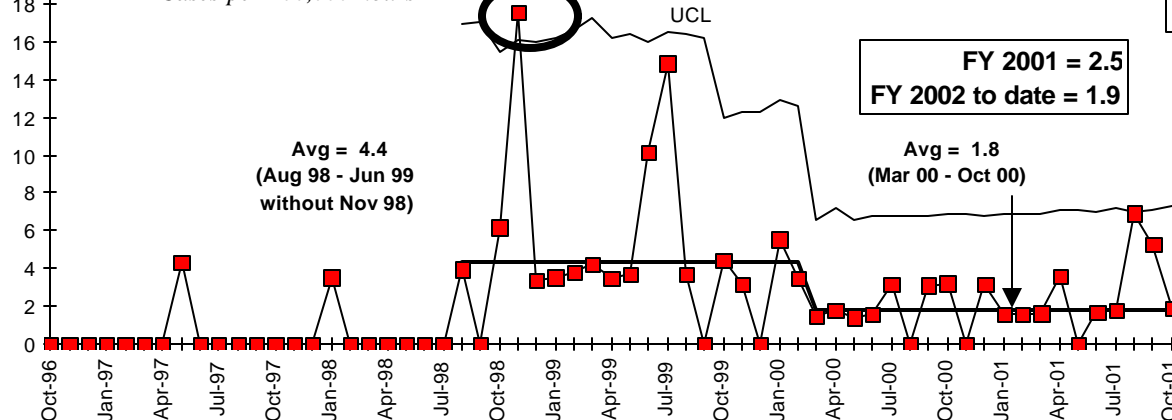
Green



OSHA Recordable Case Rate

Cases per 200,000 hours

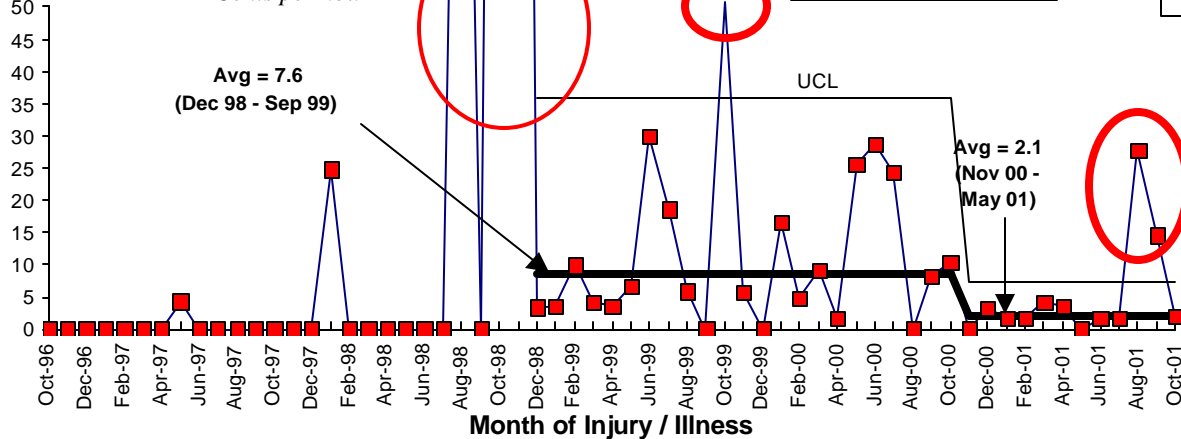
Yellow



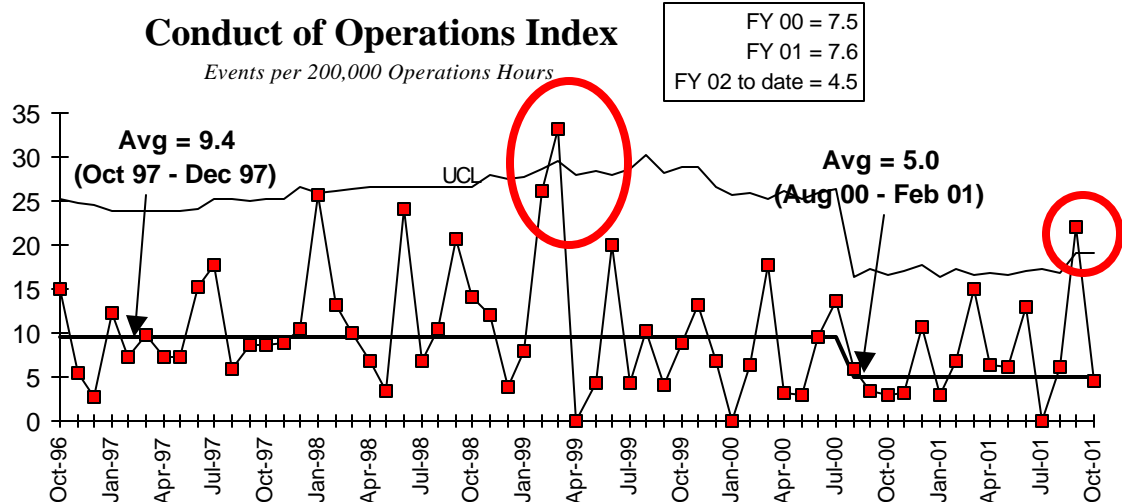
DOE Safety Cost Index

Cents per hour

Green



CONDUCT OF OPERATIONS



BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

BREAKTHROUGHS

Waste Management is currently evaluating the conversion of the WRAP low-level waste glovebox line to provide added TRU waste processing capability. This conversion will improve WRAP operating reliability, increase throughput capacity, and through the application of supercompaction to waste destined for WIPP, will offer considerable return on investment (savings) over the FH contract period. Pursuing conversion of the WRAP low-level glove box for use on TRU waste through the Accelerated Site Technology Deployment Process.

OPPORTUNITIES FOR IMPROVEMENT

No opportunities for improvement are identified at this time.

UPCOMING ACTIVITIES

Accelerate Readiness to Receive SNF K Basin Sludge - 1) Complete RL Operation readiness Review (ORR) for Shippingport (PA) fuel, 2) Initiate Shippingport fuel movement, and 3) Accelerate T Plant Canyon cell cleanup.

MLLW Treatment - Continue characterization and direct disposal activities.

TRU Waste Retrieval - Continue technical planning to support buried drum retrieval start-up by April 2002.

TRU Recertification and PFP Audits: Complete corrective actions associated with the (Plutonium Finishing Plant and Re-Certification) WIPP audits. Closure of the associated CBFO CARs will occur after successful completion of the CBFO/EPA audit scheduled for December 18-19, 2001.

Plutonium Finishing Plant (PFP) Support - Continue to receive waste in support of Hanford ash processing.

Support to 300 Area - Support the removal of a Curium/Americium source from the 327 Facility. Support characterization, transport and storage of 324 pipe pit Remote-Handled (RH) wastes.

Waste Encapsulation and Storage Facility (WESF) Operations - Prepare for DNFSB 2000-2 Phase II assessment of Confinement Ventilation Systems scheduled for December 2001.

Liquid Waste Processing – Continue groundwater processing at the 200 Area ETF.

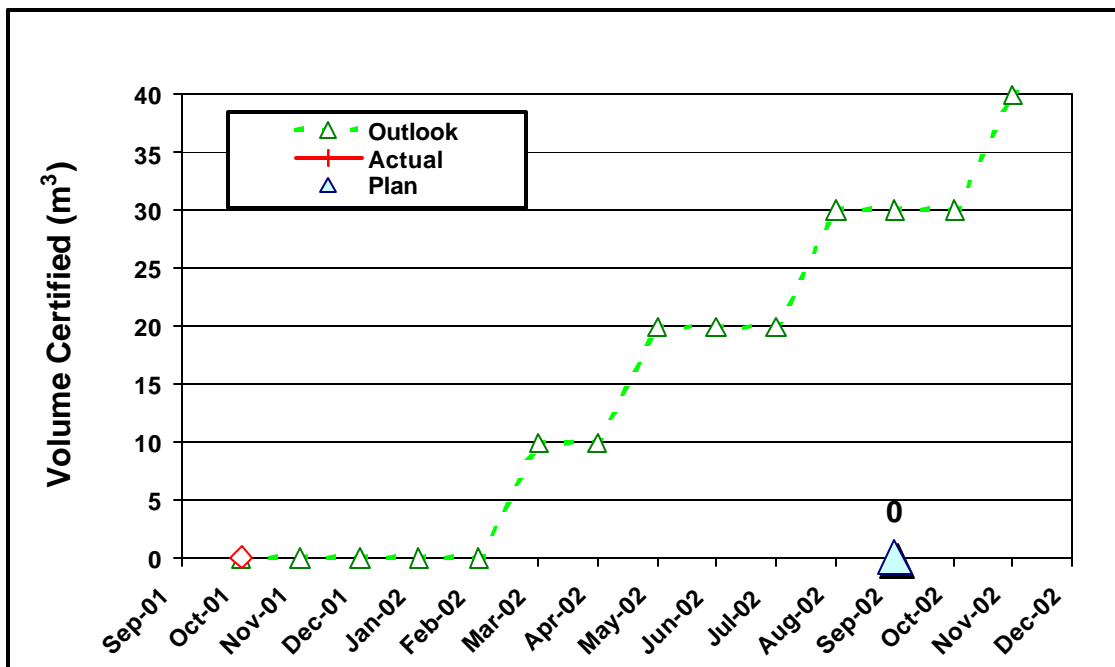
MILESTONE ACHIEVEMENT FH Contract Milestones

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status / Comment
M-19-00	Complete Treat/Disp 1,644 CM of CH-LLMW	EA	09-30-02	10-23-00	10-23-00	COMPLETE
M-7-1E	Complete T Plant preparation for storage of K Basins sludge	PI Stretch	10-30-02		10-30-02	Assessing impacts of T Plant ORR on milestone
M-7-2A	Complete ORR for K Basins Sludge Receipt	PI Base	10-30-02		10-30-02	Assessing impacts of T Plant ORR on milestone
M-91-12A	Treat 240 Cubic Meters by 12/31/2002	EA	12-31-02		12-31-02	ON SCHEDULE
M-91-20	T Plant ready to rec. canister of K Basin floor pit sludge	EA	12-31-02		12-31-02	ON SCHEDULE
M-26-05J	Prep Biennial Tritium Treatment Tech Evaluation Report	EA	08-31-03		08-31-03	ON SCHEDULE
M-7-2B	Complete Readiness Assessment K Basins Canister & Fuel Sludge Receipts	PI Base	01-01-04		01-01-04	ON SCHEDULE
M-7-3B	De-Post T Plant Canyon as Airborne Radiation Area	PI Stretch	01-01-04		01-01-04	ON SCHEDULE
M-91-22	T Plant ready to rec. Canister & fuel wash sludge from K Basin	EA	02-29-04		02-29-04	ON SCHEDULE
M-91-07	Complete W-113 for Post 1970 CH TRU / TRUM Retrieval	EA	09-30-04		09-30-04	Under renegotiation. Date TBD
M-1-2	Consolidate Sitewide SNF in 200 A Dry Storage	PI Base	02-28-05		02-28-05	ON SCHEDULE

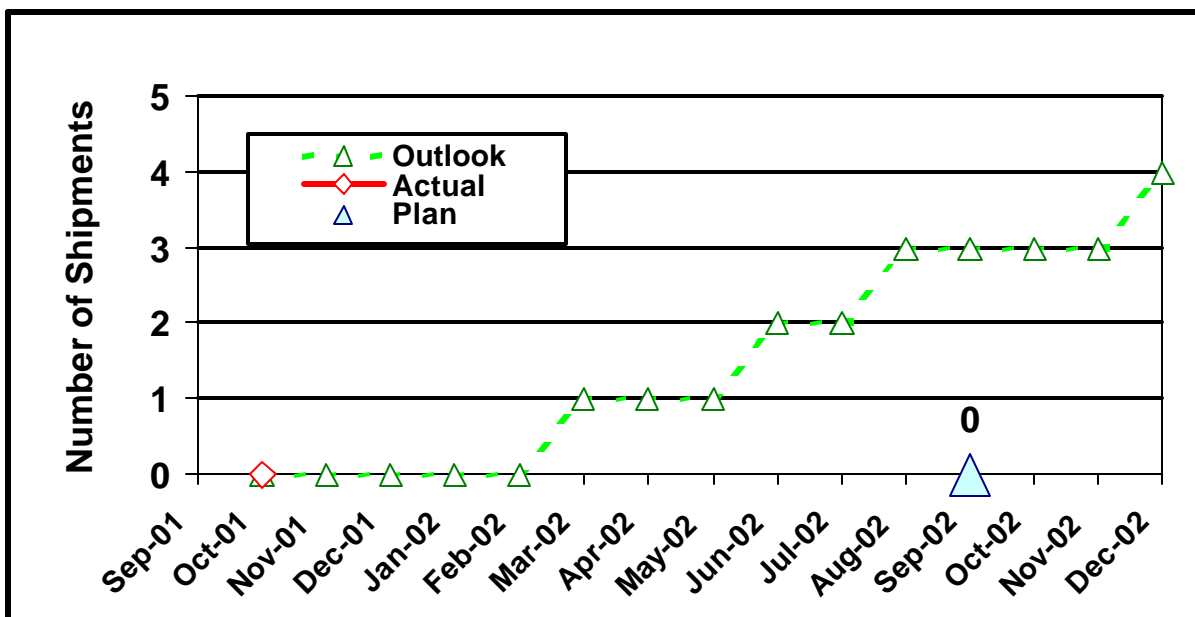
M-26-05L	Prep Biennial Tritium Treatment Tech Evaluation Report	EA	08-31-05		08-31-05	ON SCHEDULE
M-5-2	Complete Thermal Treatment 600 m ³ MLLW by 12/31/05	PI Base	12-31-05		12-31-05	ON SCHEDULE
M-5-1B	Complete Treatment / Disposal 9820 m ³ of MLLW	PI Stretch	06-30-06		06-30-06	ON SCHEDULE
M-7-3C	Clear Remaining Stored Equipment from T Plant Canyon Deck	PI Stretch	06-30-06		06-30-06	ON SCHEDULE
M-4-1D	Retrieve 15,200 Suspect TRU Waste	PI Stretch	09-30-06		09-30-06	ON SCHEDULE
M-6-1A	Certify 580 m ³ of TRU waste	PI Stretch	09-30-06		09-30-06	ON SCHEDULE
M-6-1B	Complete 68 TRU Waste Shipments to WIPP	PI Stretch	09-30-06		09-30-06	ON SCHEDULE

PERFORMANCE OBJECTIVES

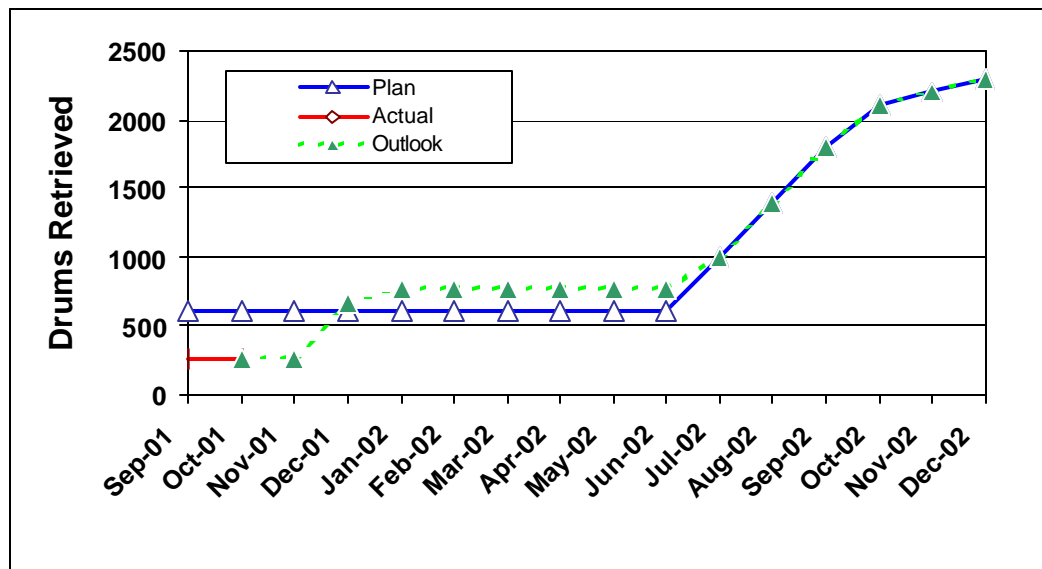
CERTIFY TRU WASTE (FHI-M6)



SHIP TRU WASTE (FHI-M6)



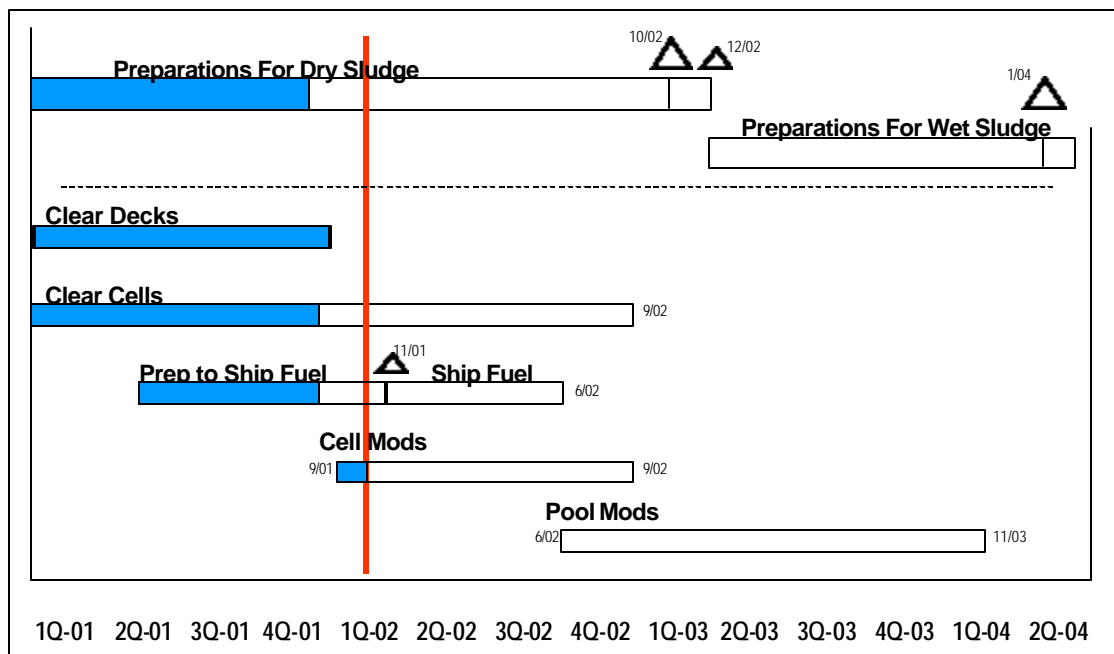
RETRIEVE TRU WASTE (FHI-M4)



TREAT AND DISPOSE MLLW (FHI-M5)

Outlook TBD based on resolution of ATG issues.

ACCELERATE READINESS TO RECEIVE K-BASIN SLUDGE (FHI-M7)



FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

		FYTD									
		BCWS	BCWP	ACWP	SV	%	CV	%	BAC	EAC	
PBS CP02 WBS 3.3.2.1	SW Storage & Disposal	\$ 835	881	\$ 812	\$ 46	6%	\$ 69	8%	\$ 11,379	\$ 11,379	
PBS CP02 WBS 3.3.2.2	MLLW Treatment	\$ 41	\$ 206	\$ 58	\$ 165	402%	\$ 148	72%	\$ 3,458	\$ 3,458	
PBS CP02 WBS 3.3.2.3	SW Treatment	\$ 763	\$ 918	\$ 1,002	\$ 155	20%	\$ (84)	-9%	\$ 10,678	\$ 10,678	
PBS CP02 WBS 3.3.2.4	TRU Program	\$ 936	\$ 1,322	\$ 659	\$ 386	41%	\$ 663	50%	\$ 13,310	\$ 13,310	
PBS CP02 WBS 3.3.2.5	WESF	\$ 595	\$ 586	\$ (110)	\$ (9)	-2%	\$ 696	119%	\$ 7,717	\$ 7,717	
PBS CP02 WBS 3.3.2.6	200 A LWPF	\$ 1,073	\$ 1,122	\$ 1,045	\$ 49	5%	\$ 77	7%	\$ 15,750	\$ 15,750	
PBS CP02 WBS 3.3.2.9	Project Management	\$ 1,572	\$ 1,644	\$ 1,797	\$ 72	5%	\$ (153)	-9%	\$ 18,877	\$ 18,877	
Total		\$ 5,815	\$ 6,679	\$ 5,263	\$ 864	15%	\$ 1,416	21%	\$ 81,170	\$ 81,170	

Due to technical difficulties, these performance numbers have been manually adjusted and may not align with HANDI reports.

FY TO DATE SCHEDULE / COST PERFORMANCE

The \$0.8 million (14 percent) favorable schedule variance was due to the progress on and/or completion of FY 01 carryover workscope as well as a system error in the calculation of BCWP, which caused an overstatement of BCWP by approximately \$0.2 million. The error will be corrected in November.

The \$1.4 million (21 percent) favorable cost variance was due to planned staff not yet hired, the above mentioned system error, and FY 2002 accrual reversals with lower costs. The month of October cost is historically lower than planned due to new structuring, systems, codes, and budgets. It is expected that costs will catch up in November.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (+\$0.8M)

MLLW Treatment — 3.3.2.2/CP02

Description/Cause: The favorable schedule variance is due to a system error that applied too much BCWP.

Impact: There is no significant project impact at this time.

Corrective Action: The error will be corrected in November.

SW Treatment — 3.3.2.3/CP02

Description/Cause: The favorable schedule variance is due to the T Plant pre-filter replacement and FY 2001 carryover scope being completed in October.

Impact: There is no significant project impact at this time.

Corrective Action: No corrective action needed.

TRU Program— 3.3.2.4/CP02

Description/Cause: The favorable schedule variance is due to BCWP taken in October for 3 WIPP shipments completed in FY 2001 and NDE/NDA being ahead of schedule in FY 2002.

Impact: There is no significant project impact at this time.

Corrective Action: No corrective action needed.

Cost Variance Analysis: (+\$1.4M)

MLLW Treatment — 3.3.2.2/CP02

Description/Cause: The favorable cost variance is due to a system error that applied too much BCWP.

Impact: There is no significant project impact at this time.

Corrective Action: The error will be corrected in November.

TRU Program— 3.3.2.4/CP02

Description/Cause: The favorable cost variance is due to BCWP taken in October for 3 WIPP shipments completed in FY 2001 and completion of FY 2001 carryover workscope.

Impact: There is no significant project impact at this time.

Corrective Action: No corrective action needed.

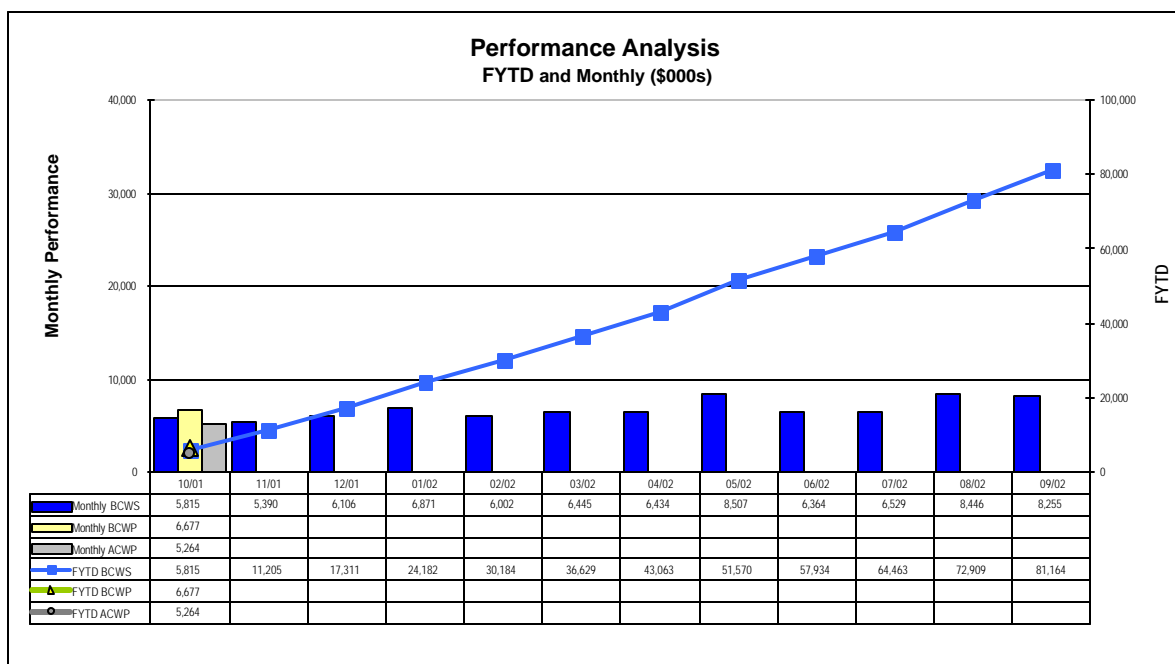
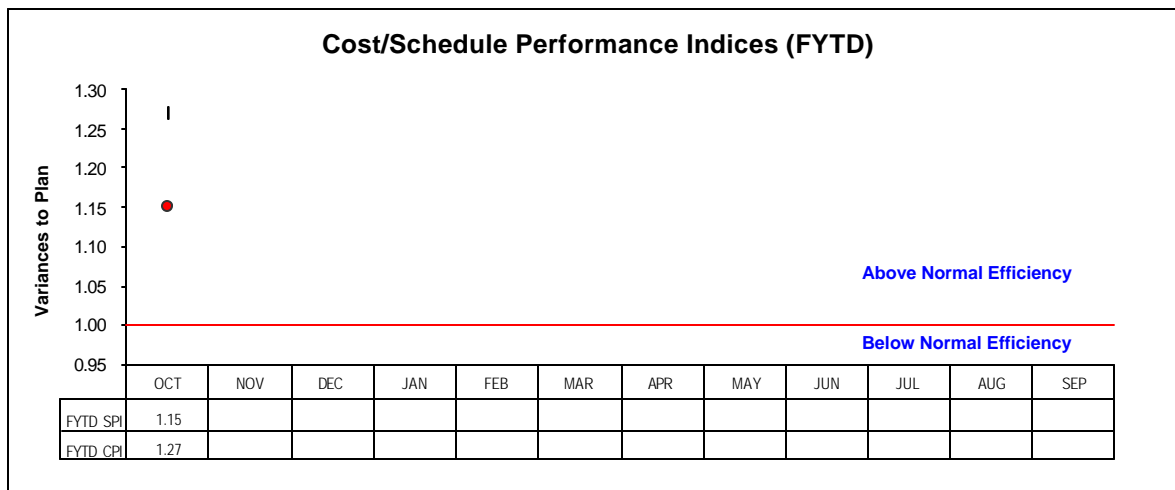
WESF — 3.3.2.5/CP02

Description/Cause: The favorable cost variance is due to an incorrect fee reversal.

Impact: There is no significant project impact at this time.

Corrective Action: A cost transfer was completed in November.

COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



ISSUES

Technical Issue

Issue: Shippingport fuel movement schedules and T Plant cell cleanout schedules are impacted by the ORR delay.

Impacts: Being assessed.

Corrective Actions: The ORR Corrective Action Plan was drafted and reviewed with RL on November 29, 2001. All project issues have been evaluated through the Deficiency Evaluation Group (DEG) process; corrective action implementation is underway. The T Plant Crane Maintenance Outage was successfully completed. Progress has been made with RL on cell waste disposition, and cell clean out will begin December 10, 2001. Obtain RL concurrence with the ORR Corrective Action Plan. Due Date: December 21, 2001. Reschedule balance of T Plant production upon Corrective Action Plan approval and completion of first cell clean out; integrate with SNF. Due Date: January 2002

Regulatory/External/DOE Issues/DOE Requests

Issue: ATG's financial status jeopardizes project performance and TPA milestones.

Impacts: Being assessed.

Corrective Actions: Notification is in progress to RL that interim milestone (M-91-12A) is in jeopardy due to recent events with ATG and their financial status. A letter is also being prepared for notification that the PI may be impacted. Cure notices have been drafted to ATG on all three major contracts. An FH team has been established to manage and monitor the situation and address issues and concerns as they arise. Alternatives are being developed. Bankruptcy proceedings are in progress in California. It is unknown if ATG will be allowed to continue operating at this time. Inspection of wastes at ATG were conducted by FH, with CHG representation, on November 28, 2001. No issues noted. The facility has all wastes under control, secured, and under surveillance. Issues are being managed by ATG with appropriate notifications to Ecology.

Issue: RL authorization of the safety basis for retrieval of buried TRU drums is critical path to startup during the second quarter of FY 2002.

Impacts: Being assessed.

Corrective Actions: The Hydrogen Accumulation Study was transmitted to DOE-RL on November 15, 2001. Comment resolution and Documented Safety Analysis (DSA) completion is planned for the first week of December. Internal reviews/approval for transmittal to RL planned by mid-December, one month behind project schedule. DSA review/interface support with RL ABD is required in December and January to expedite approval process.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

Baseline Change Log

BCR No/ 4 WBS	Level	Date Originated	Description	Impact		Date Approved	Status
				Days	Dollars (\$000s)		
CP02-02-001		11/5/2002	HEPA Filter Testing		\$3K		Pending